

## UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG — ELECTRIC LOGS — FILE ☒ WATER SANDS — LOCATION INSPECTED — SUB. REPORT/ABD. —

\* The application was resubmitted 3-12-81

\* Location Abandoned 3-23-82

DATE FILED 11-1-79

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-13823

INDIAN

DRILLING APPROVED: 11-1-79

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 11-12-80 Location Abandoned

Location Abandoned 3-23-82

FIELD: Wildcat 3/86

UNIT: Cal Valley

COUNTY: Millard

WELL NO. WXC-USA #1

API NO: 43-027-30015

LOCATION

1980'

FT. FROM ~~XX~~ (S) LINE.

1980'

FT. FROM ~~XX~~ (W) LINE.

NE SW

¼-¼ SEC. 13

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

19S

2W

13

PLACED OIL COMPANY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

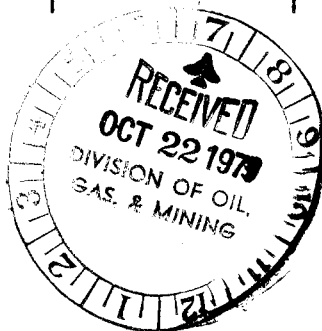
## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-13823
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IS INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR PLACID OIL COMPANY 303-892-5195			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 410 17th. St. Suite 2000 Denver, Colorado 80202			8. FARM OR LEASE NAME WXC-USA
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980.0' FSL 1980.0' FWL Section 13-T19S-R2W At proposed prod. zone Same NESW			9. WELL NO. #1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5.4 miles SSE of Scipio, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660' S. of R. Memmott lease			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13-T-19S-R2W
16. NO. OF ACRES IN LEASE 2468.68			12. COUNTY OR PARISH Millard
17. NO. OF ACRES ASSIGNED TO THIS WELL 80			13. STATE Utah
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. No wells have been drilled on this lease.			20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 18,600			22. APPROX. DATE WORK WILL START* December, 1979
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6704GR			

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

See Attachment



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED <u>Doug A. Spence</u> TITLE <u>Geologist</u> DATE <u>July 11, 1979</u>	
(This space for Federal or State office use)	
PERMIT NO. _____	APPROVAL DATE _____
APPROVED BY <u>W.P. Martin</u> TITLE <u>ACTING DISTRICT ENGINEER</u>	DATE <u>OCT 18 1979</u>
CONDITIONS OF APPROVAL, IF ANY:	

[NOTICE OF APPROVAL]

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATING COPY

Utah State 8-15

United States Department of the Interior  
Geological Survey  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

## Usual Environmental Analysis

Lease No. U-13823Operator Placid Oil CompanyWell No. 1Location 1980' FSL & 1980' FWL Sec. 13 T. 19S R. 2WCounty Millard State Utah Field WildcatStatus: Surface Ownership Public Minerals FederalJoint Field Inspection Date September 27, 1979

## Participants and Organizations:

<u>George Diwachak</u>	<u>USGS</u>
<u>Birrell Hirschi</u>	<u>BLM - Fillmore</u>
<u>Doug Sprinkel</u>	<u>Placid Oil Co.</u>
<u>Gerald Ashcraft</u>	<u>Placid Oil Co.</u>
<u>T. Gus Cassity</u>	<u>Placid Oil Co.</u>
<u>Vern Jones</u>	<u>Placid Oil Co.</u>
<u>George Condos</u>	<u>Condos Construction</u>
<u>Ladd White</u>	<u>Condos Construction</u>

## Related Environmental Analyses and References:

- (1) Unit Resource Analysis, Sevier River Planning Unit, BLM, Fillmore, Utah
- (2)

Analysis Prepared By: George Diwachak  
Environmental Scientist  
Salt Lake City, Utah

Date: September 28, 1979

Noted - G. Diwachak

Proposed Action:

On September 7, 1979 Placid Oil Company filed an Application for Permit to Drill the No. 1 exploratory well, an 18,600 foot oil test of the Tintic Quartzite Formation, located at an elevation of 6704 ft. in the NE/4 SE/4, Section 13-T19S-R2W on Federal mineral lands and Public surface, lease No. U-13823. There was no objection to the wellsite nor to the access road. At the onsite inspection, it was agreed by all parties involved to use access route II as it would keep surface disturbances to a minimum.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the U.S.G.S. District Office in Salt Lake City Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the Bureau of Land Management the controlling surface agency. Rehabilitation plans would be decided upon as well neared completion the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 400 ft. wide x 450 ft. long and reserve a pit 150 ft. x 200 ft. contained within the pad. A new access road would be constructed 20 ft. wide with 30 ft. right-of-way x 0.3 miles long and an existing road would be upgraded to 20 ft. wide by 3 miles long from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. The anticipated starting date is December 1, 1979 and duration of drilling activities would be about 18 months.

Location and Natural Setting:

The proposed drillsite is approximately 5.4 miles South, Southeast of Scipio, Utah nearest town. A poor road runs to within 0.3 of the location. This well is a wildcat.

Topography:

The proposed location is situated in Cal Valley, a North-South trending closed drainage basin, flanked by the Pavant Range on the West and the Valley Mountains to the East. The valley floor is relatively flat; and would require minimal cuts and fills to level the pad area.

Geology:

The surface geology is the North Horn Formation.

The soil is Sandy clay.

No geologic hazards are known near the drillsite.

Seismic risk for the area is moderate to major. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist . Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formations to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey Engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinon-juniper association is also present on higher slopes.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access road per the recommendations of the Bureau of Land Management.

Approximately 7 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location; however, considering the relative remoteness of the area, air quality is probably good. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated. ✓

Precipitation:

Annual rain fall should range from about 8" to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from Southwest to Northeast. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

Cal Valley is essentially a closed basin. A stock pond has been constructed in NE/4, Sec. 13, and any excess drainage in the area would eventually reach the pond.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks and spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be lined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

The location area is vegetated with a covering of sagebrush, rabbitbrush and grasses. The valley was cultivated in the past, and the present vegetative cover has revegetated the area.

Plants in the area are of the salt-desert-shrub types grading to the pinon-juniper association.

Proposed action would remove about 7 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

The fauna of the area consists predominately of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance has been performed. Appropriate clearances have been obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigation the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.



Noise from the drilling operations may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the immediate area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Millard County.

But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

A portion of the access road crosses private surface. The operator has reached the necessary agreements with the land owner to gain access to the proposed location.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Sevier River Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

1). Not approving the proposed permit -- the oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

2). Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetation, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

3). Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- a) Any stipulation of approval provided by the BLM. w/ GS  
Concurrence.

Adverse Environmental Effects Which Cannot Be Avoided:

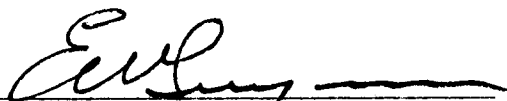
Surface disturbance and removal of vegetation from approximately acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable commitment of resources would be made.

Determination:

This requested action ~~does~~ does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, 102 (2) (C).

Date

10/12/79

  
District Engineer  
U. S. Geological Survey  
Conservation Division  
Oil and Gas Operations  
Salt Lake City District

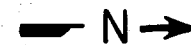
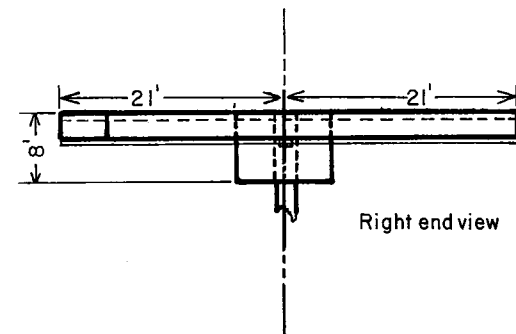
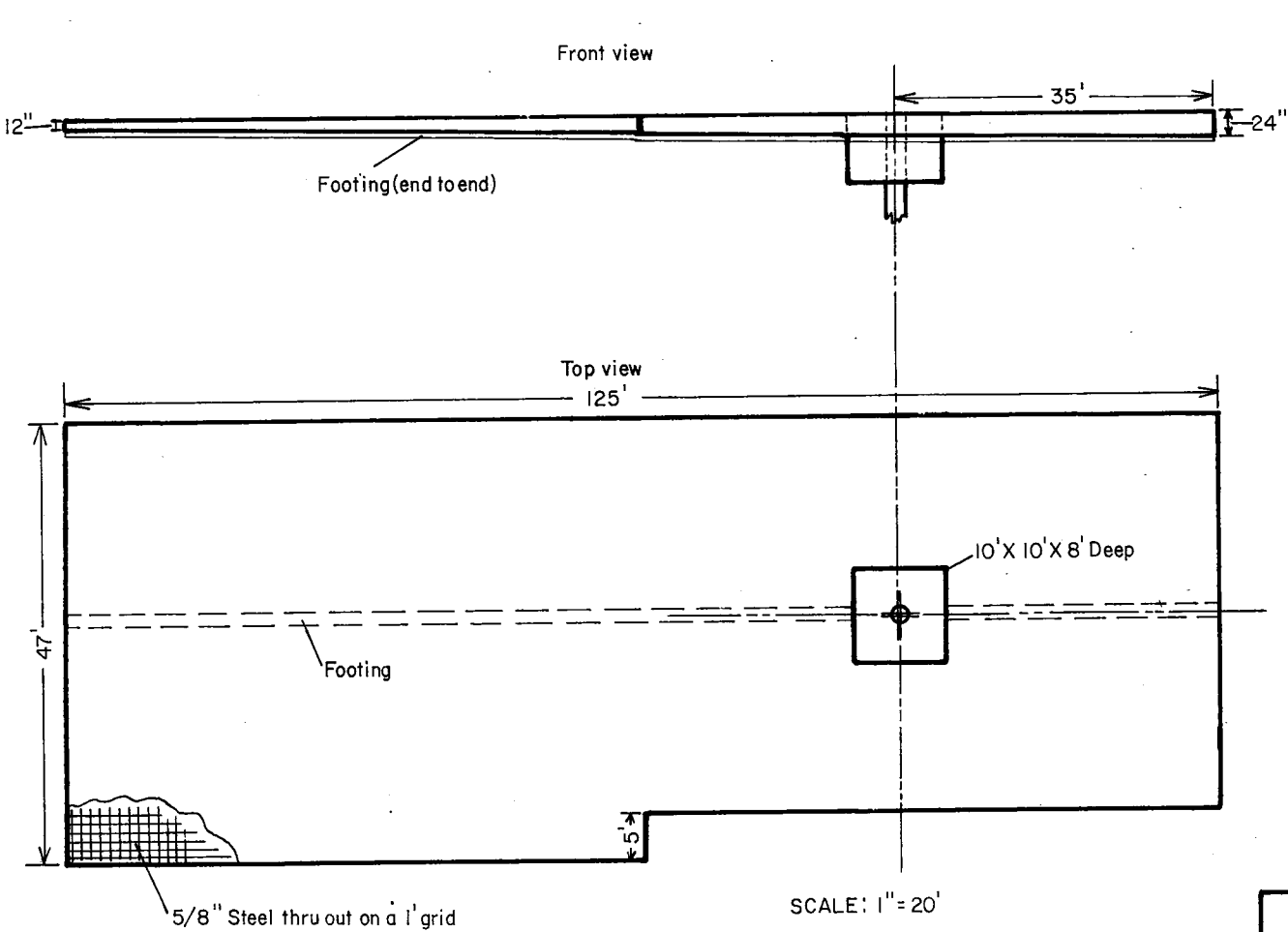


Figure 1

# RIG PAD DIAGRAM

PLACID OIL CO.

WXC - USA - # 1

NE SW Section 13 - T19S - R2W

Millard County, Utah

NTH

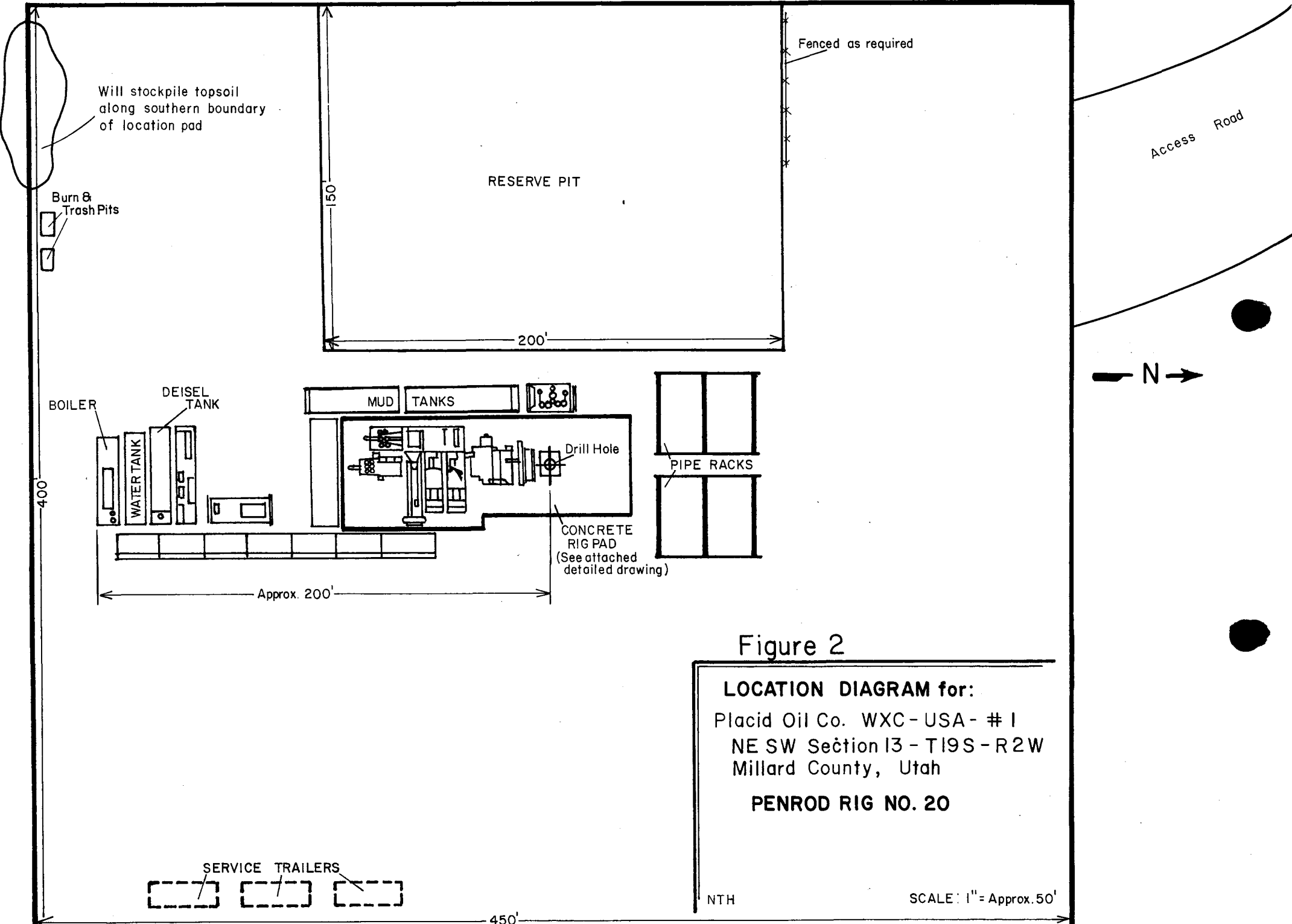


Figure 2

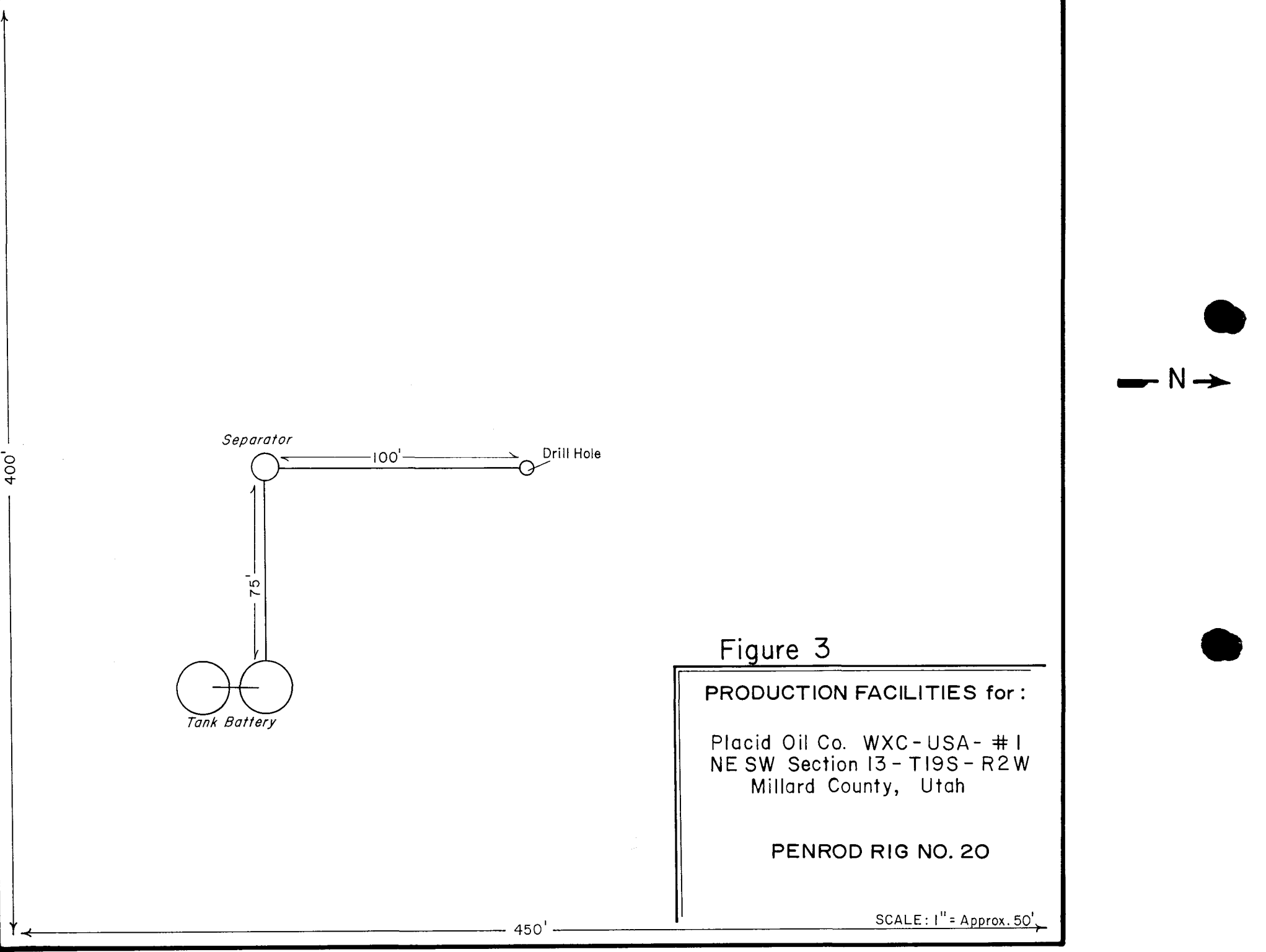
**LOCATION DIAGRAM for:**

Placid Oil Co. WXC - USA - # 1  
NE SW Section 13 - T19S - R2W  
Millard County, Utah

**PENROD RIG NO. 20**

NTH

SCALE: 1" = Approx. 50'



ATTORNEY AT LAW  
SHERIDAN L. MCGARRY  
2835 NILA WAY  
SALT LAKE CITY, UTAH 84117  
TELEPHONE: 277-4076

September 20, 1979

Placid Oil Company  
410 - 17th Street, Suite 2000  
Denver, Colorado 80202

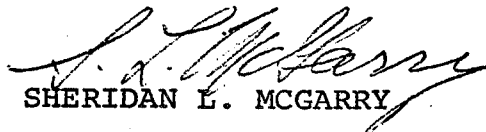
RE: Ralph Memmott Property

Attention: Mr. Norman Haltiner

Gentlemen:

Pursuant to your request, I mailed a letter to Lee Pratt, Mr. Memmott's attorney, with regard to the subject problems. I have enclosed a copy of the same for your information and records. I will keep you advised as to his response.

Very truly yours,

  
SHERIDAN L. MCGARRY

SLM:M  
Enclosure

ATTORNEY AT LAW  
SHERIDAN L. MCGARRY  
2835 NILA WAY  
SALT LAKE CITY, UTAH 84117  
TELEPHONE: 277-4076

September 20, 1979

Elliott Lee Pratt, Esq.  
351 South State Street  
Salt Lake City, Utah 84111

RE: Your Client Ralph Memmott.

Dear Lee:

My client, Placid Oil Company, has asked me to respond to your letter of August 30, 1979, and to clarify the facts for you in this matter.

1. My client has a proposed location in the SW $\frac{1}{4}$  of Sec. 13, T. 19 S., R. 2 W., S.L.M., Millard County, Utah. That location has been surveyed and is on federal lands and in no way involves any part of the lands in which your client owns an interest in.

2. Your client owns an undivided 1/9th interest in the surface estate and an undivided 1/18th interest in the mineral estate in the SW $\frac{1}{4}$  of Sec. 12 and the NW $\frac{1}{4}$  of Sec. 13, T. 19 S., R. 2 W., S.L.M. My client has valid oil and gas leases covering the entire leasehold estate in said lands, except for your client's 1/18th mineral interest.

3. Your client is also ill advised when he informs you that Placid is going to drill a well on the property in which he owns an undivided interest in. Placid has no such intentions at this time.

I would appreciate your cooperation in clarifying this matter for your client and to advise him to cease his continuing efforts to impede my client's oil and gas well drilling activity. Will you further advise him that any further irresponsible threats and abuse will avail him absolutely no benefit and that he may place himself in a position where we will be forced to sue for an injunction against his behavior and perhaps damages.

I also assume that you have advised your client of the elementary rules of law involved, but perhaps you would be good enough to repeat them for his better understanding. In the event my client may wish to drill on some portion of the property in which your client owns an undivided interest in at some future date, they have every right to do so. An undivided interest owner, and accordingly his oil and gas lessee, has the full and complete



Elliott Lee Pratt, Esq.  
September 20, 1979  
Page 2

right to use and occupy every portion of the realty owned in common. Furthermore, the oil and gas conservation laws of the State of Utah provide for spacing of wells and pooling of interests, both divided and undivided.

Now that you have the correct information pertaining to this matter, I trust that you will be able to terminate completely the unpleasant communications and actions of your client.

Best regards,

  
SHERIDAN L. MCGARRY

SLM:M

GRANT OF RIGHT-OF-WAYS AND EASEMENTS

For and in consideration of the sum of Ten (\$10.00) dollars cash, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Evan J. Memmott and Amy Sanders as Trustees of the Roxie Charlotte Memmott, Merill G. Memmott, Evan J. Memmott, Ardes Shea, and Amy Sanders Trust Agreement dated October 23, 1972, hereinafter called Grantors, do hereby grant and convey unto Placid Oil Company of 1600 First National Bank Building, Dallas, Texas 75202, hereinafter referred to as Grantee, a right-of-way and easement over and across the following described lands situate in Millard County, State of Utah, to-wit:

Township 19 South, Range 2 West, SLM.,  
Section 13: NW $\frac{1}{4}$ .

Together with the right to construct, enlarge, widen, surface, maintain and make such other improvements to a road across the above described lands as Grantee may deem necessary and convenient for ingress and egress of Grantee's water vehicles, trucks, drilling equipment and all other associated equipment.

The term of the easements hereby granted shall commence from the date hereof and shall continue as long as Grantee, its successors or assigns hold oil and gas leases covering lands, or interests therein, which can be reached by the use of the right-of-way and easements hereby granted.

The consideration hereinabove stated is hereby accepted by Grantors as payment in full for all damages whatsoever caused by Grantee in constructing and improving said road pursuant to this grant of right-of-way and easements. However, Grantee agrees to compensate Grantors for any other damages to Grantors property or livestock which may be caused by Grantee's agents and employees pursuant to this grant of right-of-way and easement.

Page Two

IN WITNESS WHEREOF, Grantors have hereunto set their hands this 31st day of August, 1979.

Evan J. Memmott Trustee  
Evan J. Memmott, Trustee

State of Utah )  
                  ) ss.  
County of Weber )

On the 30<sup>th</sup> day of August, A.D., 1979, personally appeared before me Evan J. Memmott, the signer of the above instrument, who duly acknowledged to me that he executed the same.

WITNESS my hand and official seal.

My Commission expires: 8-16-83

Dorothy Jones  
Notary Public

Residing at: Bountiful, Ut.

Amy Sanders  
Amy Sanders, Trustee

State of Utah )  
                  ) ss.  
County of Salt Lake )

On the 30<sup>th</sup> day of August, A.D., 1979, personally appeared before me Amy Sanders, the signer of the above instrument, who duly acknowledged to me that she executed the same.

WITNESS my hand and official seal.

My Commission expires: 8-16-83

Dorothy Jones  
Notary Public

Residing at: Bountiful, Ut.

## GRANT OF RIGHT-OF-WAY AND EASEMENTS

For and in consideration of the sum of Ten (\$10.00) dollars cash, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, L.W. Gardner Company, Richfield, Utah, 84701, hereinafter called Grantor, does hereby grant and convey unto Placid Oil Company of 1600 First National Bank Building, Dallas, Texas, 75202, hereinafter referred to as Grantee, a right-of-way and easement over and across the following described lands situate in Millard County, State of Utah, to-wit:

Township 19 South, Range 2 West, SLM.  
Section 35: S $\frac{1}{2}$ NE $\frac{1}{4}$

Together with the right to construct, enlarge, widen, surface, maintain, and make such other improvements to a road across the above described lands as Grantee may deem necessary and convenient for ingress and egress of Grantee's water vehicles, trucks, drilling equipment and all other associated equipment.

As additional consideration for the use of said right-of-way and easement herein granted, Grantee agrees to pay to Grantor the sum of Two-hundred (\$200.00) dollars per annum for so long as said right-of-way and easement is retained by Grantee. Said sum shall be deposited to the credit of Grantor on or before September 6 annually beginning September 6, 1980, in the

First National Bank Bank at Richfield, Utah  
Utah, which said bank and its successors shall be agents for Grantor for the purpose of accepting said rental payments and shall continue as the depository for all rentals payable hereunder regardless of changes in ownership of said lands or said rentals. Payment or tender of rental by Grantee may be made by the check or draft of Grantee mailed or delivered to said Bank on or before the date payment is due. If such Bank or any successor Bank should fail, liquidate or be succeeded by another Bank or for any other reason fail or refuse to accept rental, Grantee shall not be held in default for failure to make payment of rental until thirty (30) days after Grantor shall deliver to Grantee a proper recordable instrument naming another Bank or agent to receive such payments.

Unless rental payments are made as provided in paragraph three (3) hereinabove, this grant shall terminate. In the event that Grantee shall default in the performance of any other obligations set forth herein, Grantor shall notify Grantee in writing of the facts relied upon as constituting such default and Grantee, if in default, shall within thirty (30) days after receipt of such notice correct or commence to correct such default. The correction of a default once commenced shall be diligently prosecuted to completion.

Whenever by the provision of this grant notice is required to be given to either party hereinunder such notice shall be given in writing as follows:

L.W. Gardner    130 South 300 West    Richfield, Utah 84701

Placid Oil Company    1600 First National Bank Building  
Dallas, Texas 75202


The above shall control until notice of change is given to either party.

Grantee shall have the right at any time to release and relinquish the right-of-way and easement herein granted by appropriate written instrument, and upon delivery of such instrument to Grantor or said depository Bank, shall be relieved thereby of all obligations which would otherwise accrue hereinunder.

The consideration hereinabove stated hereby accepted by Grantor as payment in full for all damages whatsoever caused by Grantee in constructing and improving said road pursuant to this grant of right-of-way and easement. However, Grantee agrees to compensate Grantor for any other damages to Grantor's property or livestock which may be caused by Grantee's agents and employees pursuant to this grant of right-of-way and easement.

As limited herein, the terms hereof shall extend to and be binding upon the respective heirs, successors, and assigns of Grantor and Grantee.

IN WITNESS WHEREOF, Grantors have hereunto set their hands this  
7 day of September, 1979.

  
L.W. Gardner as owner of L.W. Gardner Company

State of Utah

County of

On the 7 day of September, A.D., 1979, personally appeared before me L.W. Gardner as owner of L.W. Gardner Company, the signer of the above instrument, who duly acknowledged to me that he was the same.

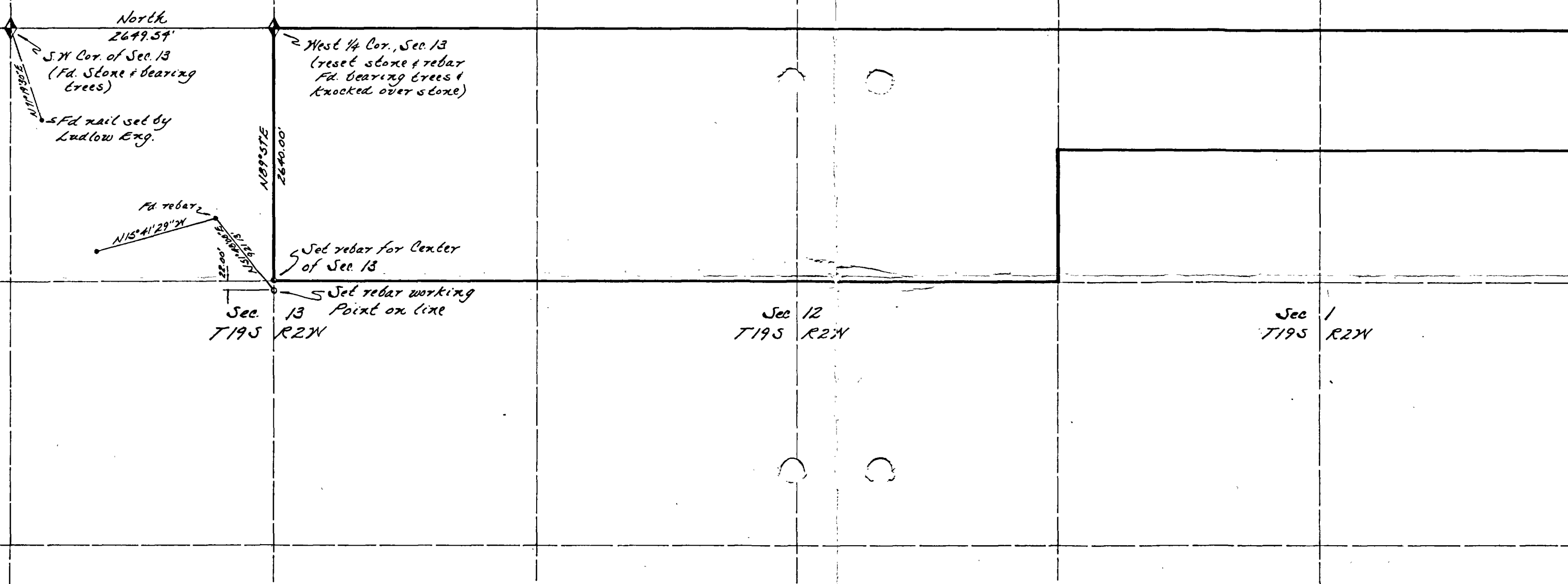
WITNESS my hand and official seal.

  
Notary Public

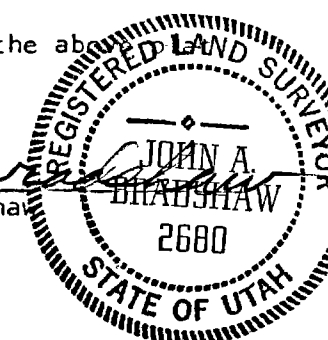
My commission expires:

Residing at: Richfield UT

7-14-83



John A. Bradshaw  
John A. Bradshaw



Property Survey  
for  
Placid Oil Company

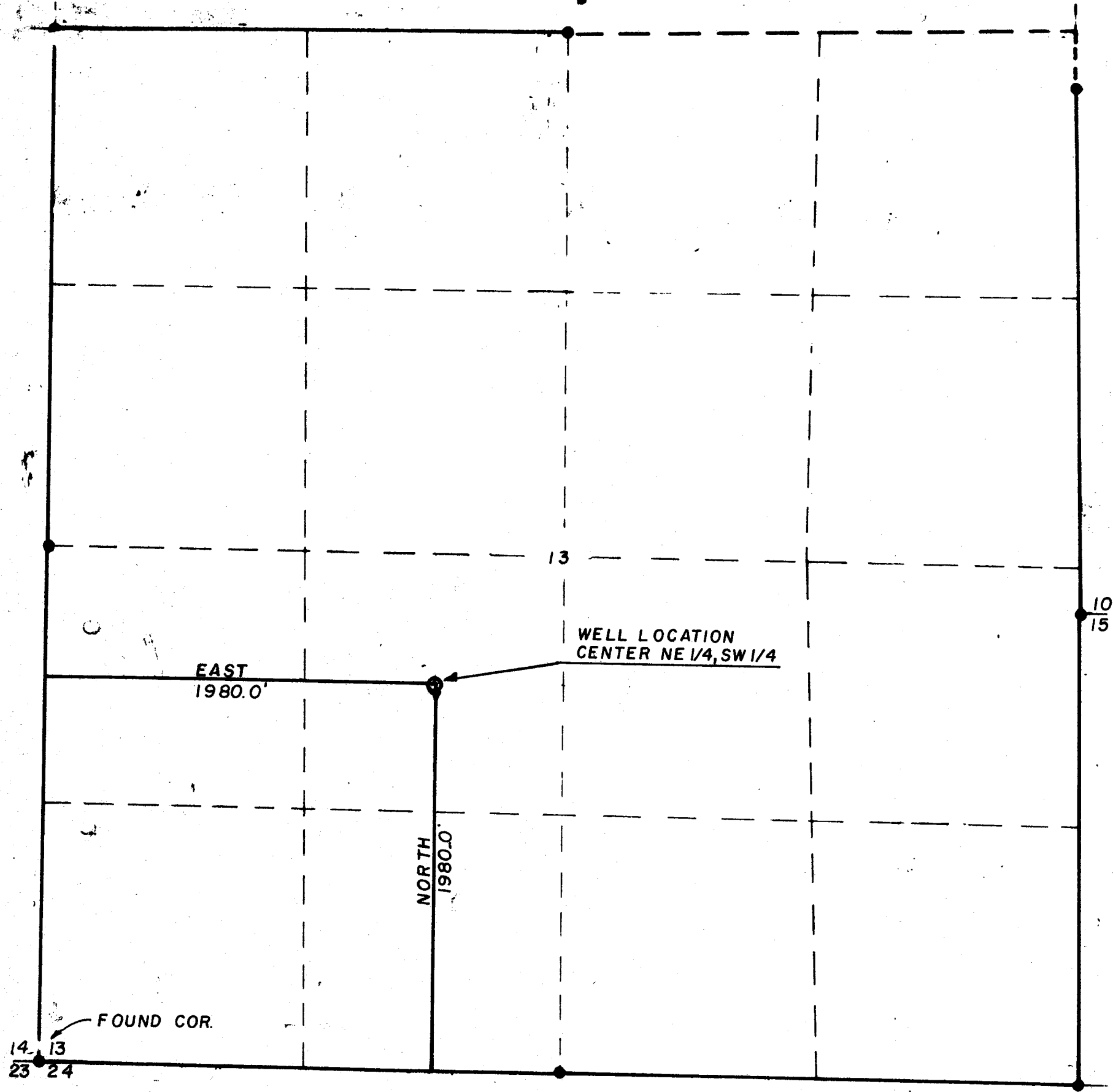
DRAWN. XX  
DATE  
November 16, 19

CHECKED JAL

SCALE  
1" = 1000'

DRWG. NO  
PS-79-17

T 19 S, R 2 W, SLB & M.



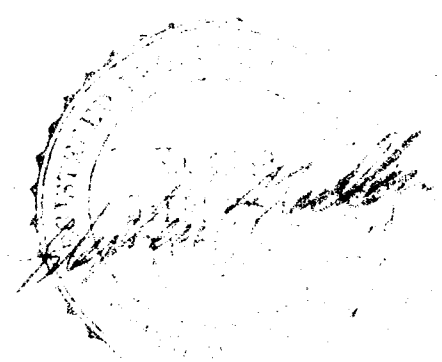
SCALE 1" = 600'

PLACID OIL CORP. WXC U.S.A. WELL No. 1  
Well location, located as shown in the NE 1/4, SW 1/4  
Section 13, T19 S, R 2 W, SLB & M.  
Millard County, Utah

CERTIFICATION

This is to certify that this plat is of an actual field survey made under my direct supervision and is true and correct to the best of my knowledge and belief

STEPHEN L LUDLOW



WELL LOCATION FOR
<b>PLACID OIL</b>
LOCATION
NE 1/4, SW 1/4, SECTION 13 T19S, R 2 W, SLB & M.
LUDLOW ENGINEERING 36 SOUTH MAIN NEPHI, UTAH 84648

Placid Oil Company  
Well #1  
Se. 13-19S-2W  
Millard County  
U-13823

Supplemental Stipulations:

1. The access road is to be construction on the present road, except the deviation as pointed out on prior inspection. The road construction is to be described in "Oil and Gas Surface Operating Standards for Oil and Gas Exploration and Development" handbook. Culverts of sufficient size to handle drainage will be placed at wash crossings. Barrow areas will be water barred to reduce erosion on sloped areas. Placid Oil must get land owners permission to cross private land.
2. A 16' cattleguard will be placed at the fence adjacent to the state highway.
3. Soil removed from the reserve pit to be stockpiled, then placed back over the pit when the pit has dried up.
4. All the pad area that is to receive gravel will have the top 6" or about 3,334 cubic yards of top soil stockpiled for rehabilitation purposed.
5. Roadway, barrow pits and slopes will be reseeded with the following mixture:

<u>Species</u>	<u>Application Rate</u>
Crested wheatgrass	3 #
Blue bunch wheatgrass	2 #
Western wheatgrass	1 #
Yellow Sweet clover	3 #

6. All disturbed areas upon completion of drilling operations will be leveled and stockpiled top soil will be evenly distributed over the disturbed area for reseeding purposes.
7. Upon completion or abandonment, all disturbed areas in Cals Valley that are to be rehabilitated will be reseeded with the following mixture:

<u>Species</u>	<u>Application Rate lbs/acre</u>
Crested wheatgrass	4 #
Nomad alfalfa	2 #
Yellow sweet clover	3 #

8. If any archaeological evidence is found along the road or drill site, all work must stop until the area is cleared.



CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Placid Oil Company Well No. 1  
Location Sec. 13-19S-2W Lease No. U-13823

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended for more than 30 days, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Engineer must be notified at least 48 hours in advance of the plugging of the well, in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a

follow-up report on form 9-331 should be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the District Engineer within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Engineer's office on a frequency and form or method as may be acceptable to the District Engineer.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed in duplicate directly with the U.S. Geological Survey Area Office, P.O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Engineer. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6 and prior approval by the District Engineer.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify this office and the Surface Management Agency at least 24 hours prior to commencing field operations to allow this office and/or the Surface Management Agency office to have personnel present for consultation during the construction of roads and locations.

The Surface Management Agency contact is: Birrell Hirschi - BLM  
Office Phone: 743-6811, Home Phone: 743-5172  
City: Fillmore, State: Utah

The U.S. Geological Survey District Office address and contacts are:

Address: 8440 Federal Building, 125 South State St., Salt Lake City, UT 84138

Office Phone: (801) 524-5650

District Engineer E. W. Guynn

Home Phone: 582-7042

Asst. Dist. Engineer W. P. Martens

Home Phone: 466-2780

Asst. Dist. Engineer R. A. Henricks

Home Phone: 484-2294

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes but is not limited to such items as road construction and maintenance, handling of top soil, and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed for prior approval of the District Engineer, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Engineer's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This application is valid for a period of one year from the date of approval. No extensions will be considered. If the application terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, future operations will require a new application be filed for approval.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
12. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SUPPLEMENTAL STIPULATIONS OF APPROVAL CONTINUED

SUBJECT: APD MINERAL EVALUATION REPORT

SE NO. U-13823

OPERATOR: Placid C. Company

WELL NO. 1

LOCATION: 1/4 NE 1/4 SW 1/4 sec. 13, T. 19S, R. 2W, SLM

Morgan County, Utah

1. Stratigraphy: Few wells have been drilled in the region. From the sparse subsurface information available, the operator's projected logs do not appear unreasonable.

Surface rocks: Northern Formation

2. Fresh Water: Fresh water may be encountered in sandstone units of the Northern Formation and the Mesaverde Group.

3. Leasable Minerals: None.

4. Additional Logs Needed: None.

5. Potential Geologic Hazards: Possible lost circulation in evaporites of the Jurassic Arapahoe Shale. Mud should be treated so as not to dissolve these evaporites.

6. References and Remarks: F.A.G. Guidebook - "Southwestern Utah" 1963  
F.A.G. Guidebook - "Cordilleran West" 1976  
U.S.G.S. Files - Salt Lake City, Utah.

Signature: J. Paul Matheny

Date: 9 - 20 - 79

PLACID OIL COMPANY  
WXC-USA #1

1. Surface Formation

Tertiary-Cretaceous North Horn

2. Geologic Markers

Twin Creek ls	8,300'
Navajo ss	8,500'
Virgin ls	10,375'
Thrust fault	12,000'
Virgin ls	12,950'
Kaibab ls	13,400'
Humbag ss	15,200'
Tintic Quartzite	18,300'

3. Water, Oil and Gas Zones

Twin Creek	8,300'	Oil & Gas
Navajo	8,500'	Oil
Virgin	10,375'	Oil & Gas
Kaibab	13,400'	Oil

If any other zones produce water, they will be adequately protected and reported.

4. Proposed Casing Program

	<u>Size</u>	<u>Wt.</u>	<u>Grade</u>	<u>Thread</u>	<u>Depth</u>	<u>Collapse Resistance</u>	<u>Internal Yield</u>	<u>Cmt.</u>
16"		84#	K55	ST&C	3000'	1410 psi	2980 psi	1000 sx light
10 3/4"		60.7#	P110	Butt	13000'	5860 psi	9760 psi	300 sx class G
8 5/8" liner	44#	P110	SFJP	16000'	8400 psi	11,160 psi		300 sx class G
*6 5/8" liner	32#	P110	SFJP	18600'	13,200 psi	13,800 psi		450 sx class G
								500 sx class G

\* will be set in the event of indicated production.

5. Pressure Control Equipment

Operator's minimum specifications for pressure control equipment is a 13-5/8" - 5,000 psi double gate, Hydril blowout preventor. See attached diagram. Equipment will be pressure tested prior to drilling out from under surface casing to its full working pressure rating. Operational tests will be made daily. (Diagram I)

6. Mud Program

Fresh water spud will be used from surface to approximately 3000'.

A gel-chemical mud will be used from 3000' to TD.

weight - 9.0#

viscosity - 30-45

Fluid loss - below 10cc

7. Auxiliary Equipment

1. Upper and lower kelly cocks will be kept in the string at all times.

2. Floats at the bit will be used

3. The mud system will be monitored with alarmed pit indicators and/or an alarmed flow sensor.

4. A stabbing valve will be kept on the derrick floor to be stabbed into the drill pipe whenever the kelly is not in the string

8. Evaluation Program

Mud Logging: A 24 hour-manned unit will be on location from surface to TD to monitor gas and H<sub>2</sub>S. Commercial shows of oil and gas will be drill-stem tested. Anticipated zones to be tested include the Twin Creek, Navajo, and Virgin. No cores are planned.

Electrical Logging: The following E-Logs will be run from base of 30" conductor to TD.

1. Dual Induction Laterolog. If mud becomes saline a Dual Laterolog will be run instead.

2. Compensated Formation Density/CNL

3. BHC Sonic

4. Dipmeter

5. Fracture Identification Log-will be run over zones of interest.

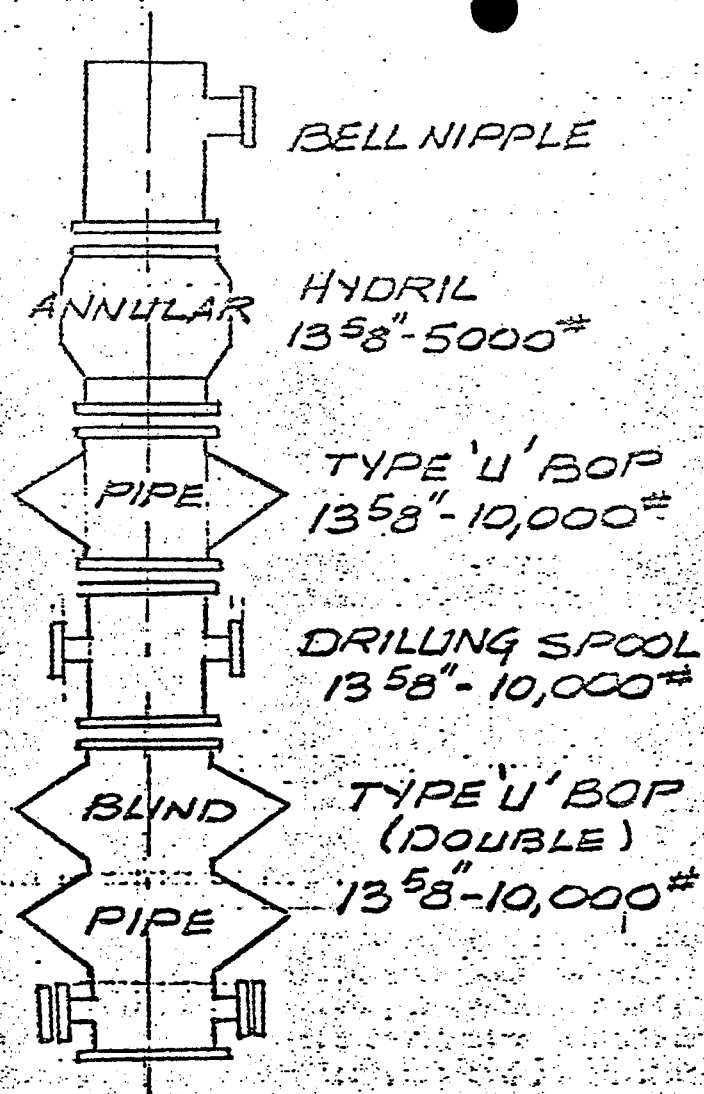
Frac jobs or other stimulation is not planned.

9. Abnormal Conditions

No abnormal pressures, temperatures, or potential hazards, such as hydrogen sulfide gas, are expected.

10. Drilling Activity

Drilling will commence on or about December 1, 1979.



PENROD 20 & 23

BOP ARRANGEMENT

DIAGRAM I

NTL-6 Multipoint Requirements

1. Existing Roads

- A. Refer to Maps I, II & III. Survey plat is attached.
- B. Refer to Maps I, II & III. There are two proposed access routes. The access route to be used will be determined at the on-site well inspection.
  - Route I - Well access road leaves Utah State Highway 26 approximately nine miles SSE of Scipio.
  - Route II - Well access road leaves Utah State Highway 26 approximately four miles SSE of Scipio.
- C. Refer to Maps I, II & III.
- D. Refer to Maps I, II & III. Utah State Highway 26 is the only paved road. An unimproved dirt road follows Round Valley Creek approximately 2.5 miles west of the proposed location. An improved gravel road (green) will be used as an access road from Utah 26 for 3/4 miles. Other Jeep trails are scattered north, south and west of the proposed location.
- E. This is not a development well.
- F. Route I - An existing road to be used for well access from Utah 26 is an improved gravel road marked in green on Maps I & II. No improvements will be necessary. In solid red is an existing jeep trail which will be used for about 1½ miles and required improvements noted in (2). Approximately 1½ miles of new access road marked in dash red will be needed and requirements for the new access is noted in (2).  
Route II - Marked in solid red on Maps I & III is an existing jeep trail to be used for about 3.0 miles from Utah 26. Improvements will be needed and the required improvements are noted in (2). Approximately 0.3 mile of new access will be needed for a location road. This new access is marked in dashed red on Maps I & III and the required specifications are noted in (2).



2. Planned Access Roads - See Map II & III

There are two proposed access routes into the proposed location. Both proposed access routes are included and determination of the access route to be used will be made at the time of the on-site inspection. Both routes have been inspected and given archaeological clearance by the Fillmore District of the B.L.M.

Improvements of existing trail (solid red) and proposed new access road (dashed red).

- A. Width - 30.0' maximum with a 20.0' crown
- B. Maximum grade - 9%.
- C. No turnouts are required.
- D. Drainage design will be consistent with local drainage slope and direction.
- E. Any necessary culverts will be noted during the on-site inspection and added to the NTL-6 at that time. No major cuts and fills are required. Some minor cuts and fill will be required where the road needs to be widened to accomodate the heavy equipment that will use the road.
- F. Surfacing material - Native gravel will be purchased locally and used to gravel access road and location pad.
- G. Any necessary gates, fence cuts or cattle guards will be noted during the on-site inspection and added to the NTL-6 at that time.
- H. New access road to be constructed (dashed in red on Map II) is center line flagged.

Page 3

3. Location of Existing Wells (within a two mile radius)
  - A. No water wells
  - B. No abandoned wells
  - C. No temporarily abandoned wells
  - D. No disposal wells
  - E. No drilling wells
  - F. No producing wells
  - G. No shut-in wells
  - H. No injection wells
  - I. No other monitoring or observation wells for other resources
  
4. Location of existing and/or proposed facilities
  - A. Facilities owned or controlled by operator
    1. Tank batteries - none
    2. Production facilities - none
    3. Oil gathering lines - none
    4. Gas gathering lines - none
    5. Injection lines - none
    6. Disposal lines - none
  - B. Contemplated facilities in the event of production. (Figure 3)
    1. tank batteries will be constructed on location
    2. production facilities will require an area approximately 100' x 150'
    3. tank batteries will be constructed on the location pad so that no outside materials will be needed. Pole trucks will be used to maneuver and set equipment. A backhoe will be used to dig trenches and bury lines.
    4. in order to protect livestock and wild life, pits will be fenced. If installed, the pumping unit will also be fenced.
  - C. Rehabilitation Plans-  
Disturbed areas no longer needed for operations will be bladed to approximate original contours and reseeded with a seed mixture agreed to by the BLM
  
5. Location and Type of Water Supply
  - A. Water will be obtained from the Delta Water Commission through Mr. N. S. Bassett if a water well is not successful.
  - B. If water cannot be obtained from a water well on location, water will be trucked. There is an existing road from Utah State Highway 26 into the water source. (See Map I)
  - C. A water well will be drilled on the drilling location. The approximate depth of the water well will be 1500'. The water well is not expected to penetrate potential hydrocarbon zones.

Page 4

6. Source of Construction

- A. Construction materials will be obtained as much as possible from the proposed drilling site. Some outside native gravel will be needed to gravel access road and drill pad. This gravel will be purchased locally.
- B. Surface is owned by BLM
- C. See A.
- D. No access roads for construction materials are needed.

7. Methods for Handling Waste Disposal

- A. Cuttings will be retained in the reserve pit.
- B. Drilling fluids will be retained in the reserve pit or mud tanks.
- C. Any produced water will be retained in the reserve pit. Oil will be collected in the reserve pit or tanks. If volume is sufficient it will be trucked from the location.
- D. A portable toilet will be provided to handle sewage. Any sewage from trailers will be collected in pits and buried.
- E. Garbage and other waste materials will be collected in a trash pit fenced with small mesh wire. Combustible material will be burned at the conclusion of operations.

8. Ancillary Facilities

No camps or airstrips will be constructed

9. Well Site Layout

- A. Plat of drill pad (See Figure I). Other than cement pad (figure I) cut and fill will only involve scraping topsoil as location is virtually flat.
- B. Rig layout plan showing mud tanks, pits, pipe racks, trailers, soil stockpiles, etc. (See Diagram II)
- C. Rig Layout (See Diagram II)
- D. The pit will be unlined

10. Plans for Restoration of Surface

- A. In the event of a dry hole, pits will be allowed to dry and then be backfilled. Waste pits will also be backfilled and the location will be restored to as near original contour as possible and reseeded. In the event of a producing well, the pits will be fenced. Waste pits will be backfilled. Stockpiled top soil will be distributed over the location. All spoils will be segregated with respect to combustability and burned or buried.
- B. Revegetation will be achieved by seeding according to BLM requirements as to seed mixture and procedure.

Page 5

10. C. Pits will be fenced prior to rig release
- D. Overhead flagging will be installed if oil is on the pits.
- E. Rehabilitation operations will begin as soon as possible after the rig is off location. The pits will be allowed to dry and then backfilled. Reseeding will take place as directed by the BLM. Rehabilitation operations should be completed within twelve months of the conclusion of drilling operations.

11. Other Information

- A. Topography of the area is mountainous. The mountain area is composed of east dipping North Horn and Flagstaff Formations. They generally consist of sandstone and limestone. The main flora is Rabbit bush, sage brush, thick spike wheat grass, crested wheat, flocks, and some clover. These species of flora have invaded an old cultivated area. The main fauna consist of deer, rabbits, small reptiles, and various species of birds.
- B. There is no surface activity at the present time; however this area used to be cultivated. The access road generally crosses BLM lands.
- C. The nearest water is found in Scipio Lake about 5 miles southwest of location. The nearest occupied dwelling is the town of Scipio which is about 5.4 miles NNW. Birrell E. Hirschi of the BLM inspected the access road and proposed location and there are no archeological, historical or cultural sites known in the general area.

12. Operator's Representative

Doug A. Sprinkel  
410 17th St., Suite #2000  
Denver, Colorado 80202 (303)-892-6190

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with conditions which presently gas; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Placid Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

July 11, 1979

Doug A. Sprinkel  
Doug A. Sprinkel  
Geologist

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL WELL ☒GAS WELL ☐OTHER ☐SINGLE ZONE ☐MULTIPLE ZONE ☐

## 2. NAME OF OPERATOR

PLACID OIL COMPANY

## 3. ADDRESS OF OPERATOR

410 17th. St. Suite 2000 Denver, Colorado 80202

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1980.0' FSL 1980.0' FWL Section 13-T19S-R2W

At proposed prod. zone

Same

NESW

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

5.4 miles SSE of Scipio, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST 660' S. of R.  
PROPERTY OR LEASE LINE, FT. Memmott lease  
(Also to nearest drlg. unit line, if any)

## 16. NO. OF ACRES IN LEASE

2468.68

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, No wells have  
OR APPLIED FOR, ON THIS LEASE, FT. been drilled  
on this lease.

## 19. PROPOSED DEPTH

18,600

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6704GR

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

See Attachment



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

*W. A. Spencer*

TITLE

Geologist

DATE

July 11, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

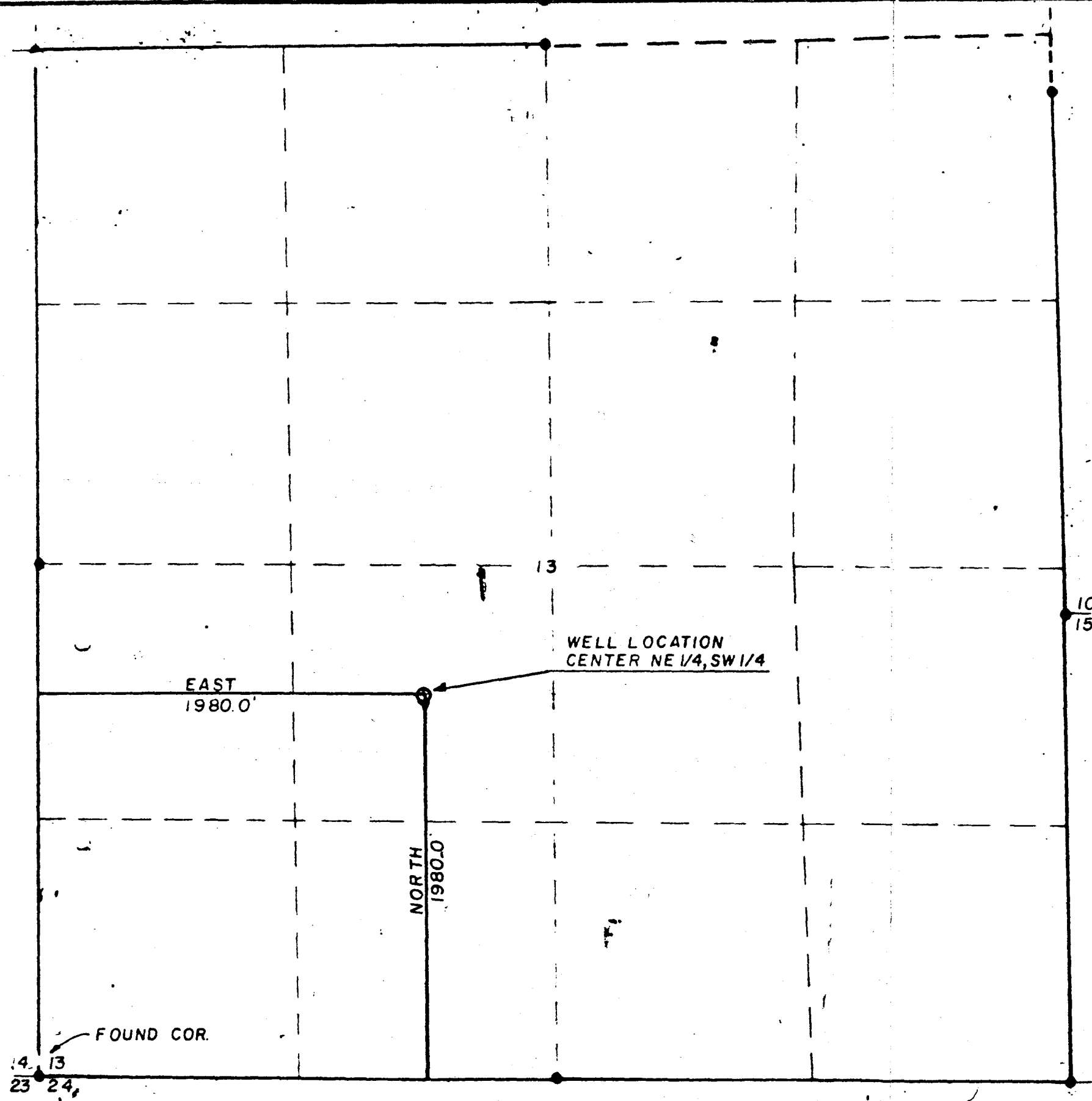
NOTICE OF APPROVAL

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED

Operator

T 19 S, R 2 W, SLB & M.



N

SCALE 1" = 600'

PLACID OIL CORP. WXC U.S.A. WELL No 1

Well location, located as shown in the NE 1/4, SW 1/4

Section 13, T19 S, R 2 W, SLB & M.

Millard County, Utah

Elevation Ungraded 6704'

CERTIFICATION

This is to certify that this plot is of an actual field survey made under my direct supervision and is true and correct to the best of my knowledge and belief

STEPHEN L LUDLOW

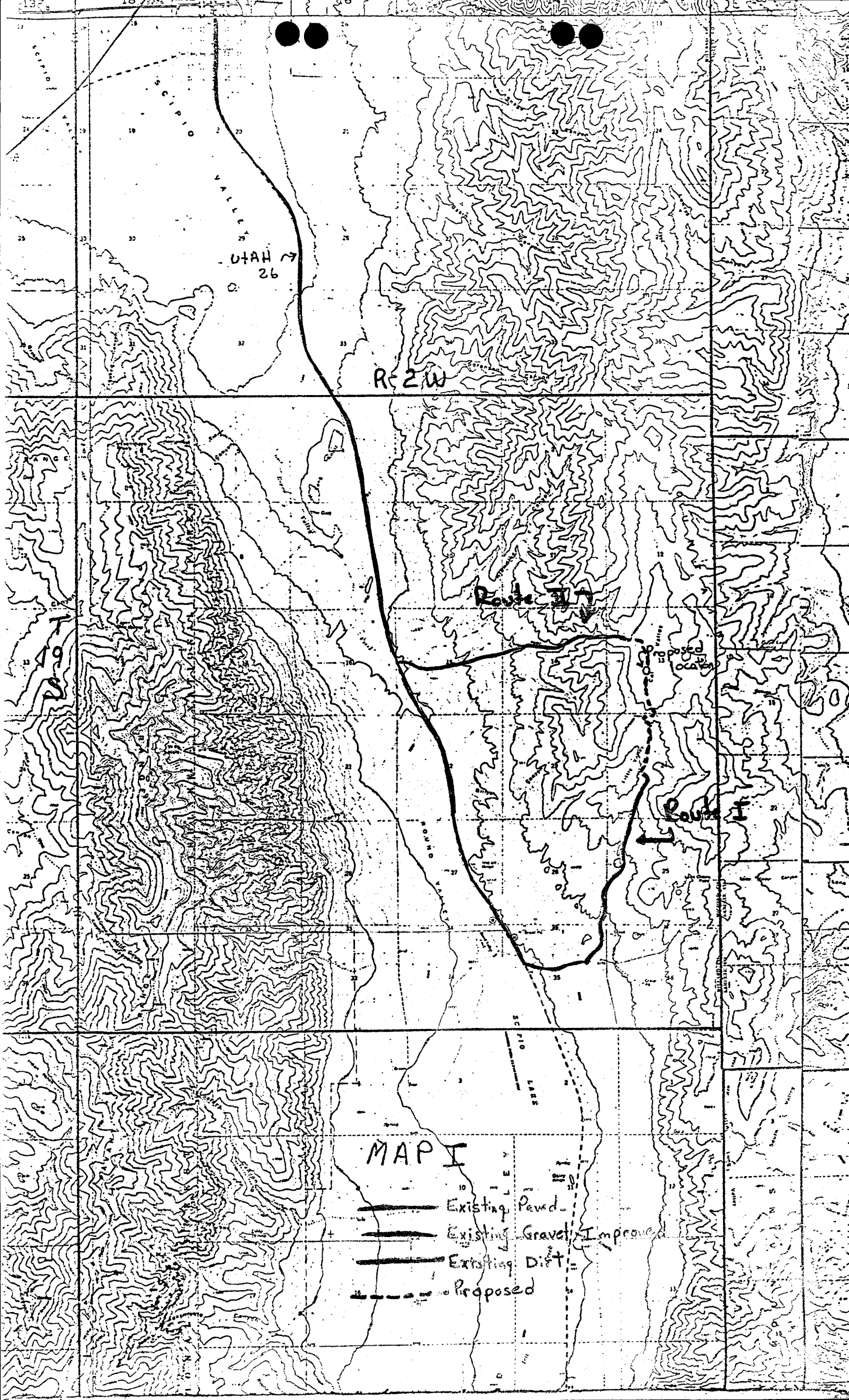
WELL LOCATION FOR

**PLACID OIL**

LOCATION

NE 1/4, SW 1/4, SECTION 13  
T19S, R 2 W, SLB & M

LUDLOW ENGINEERING  
36 SOUTH MAIN  
NEPHI, UTAH 84648



UTAH 26

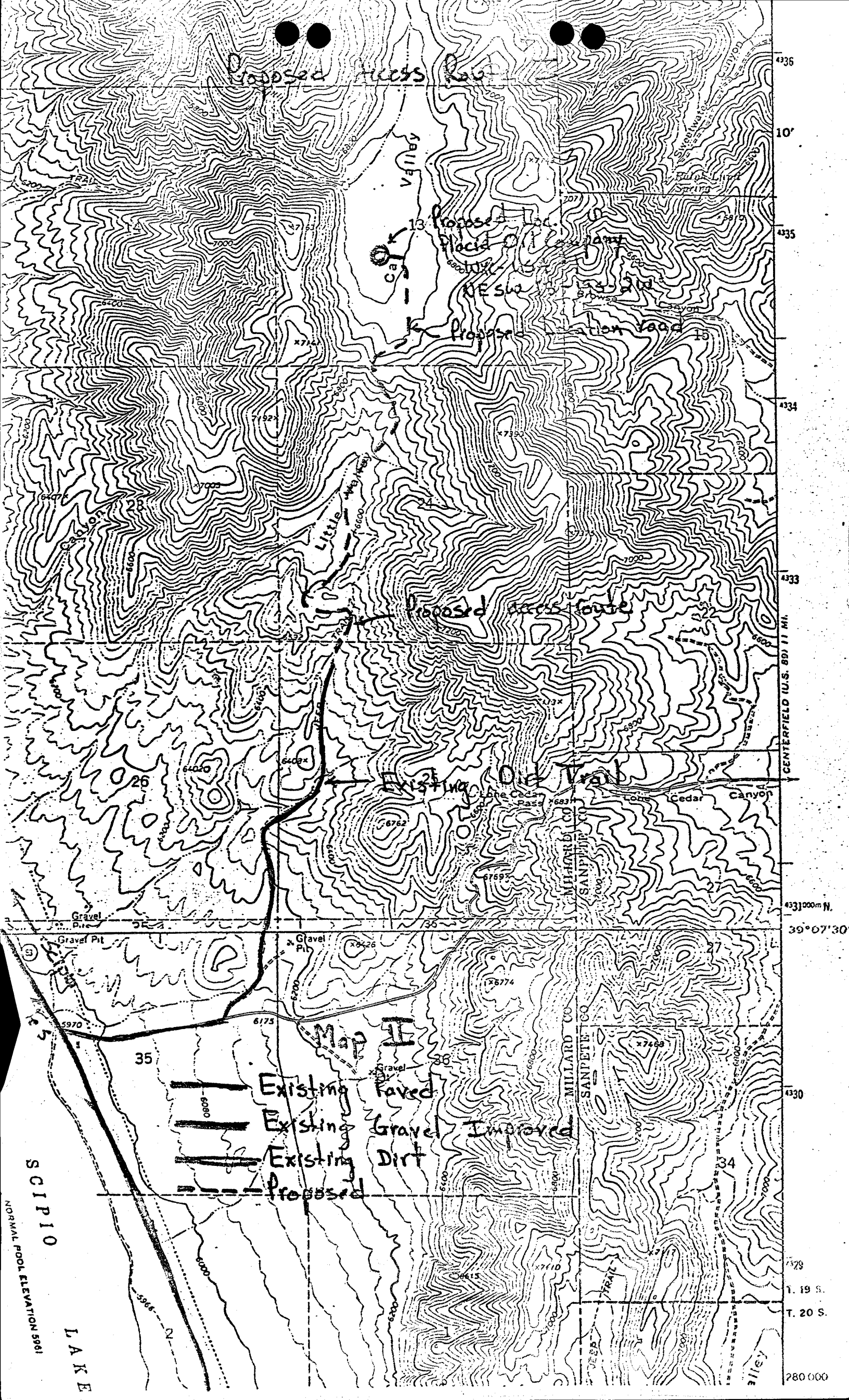
R-2W

Route 37

Route 11

# MAP I

- Existing Paved
- Existing Gravel/Improved
- Existing Dirt
- Proposed





10 miles

Utah 26

Proposed Access Route II

Existing Dirt Trail

Proposed Location Road

Proposed Loc.  
Rapid Oil Company  
WVA USA #1  
NEEW Sec. 13-T14-R1W

Map III

Existing Paved  
Existing Dirt  
Proposed

ROUND

Indian Knoll

CENTER FIELD (U.S. 89) 11 MI.

\*\* FILE NOTATIONS \*\*

DATE: October 30, 1979

Operator: Placid Oil Company

Well No: WXC-USA #1

Location: Sec. 13 T. 19S R. 2W County: Millard

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-027-30015

CHECKED BY:

Geological Engineer: \_\_\_\_\_

\_\_\_\_\_

Petroleum Engineer: \_\_\_\_\_

\_\_\_\_\_

Director: OK 7

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. \_\_\_\_\_

O.K. Rule C-3 ☒

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation 2d

Plotted on Map ☒

Approval Letter Written ☒

blm

hl  
PI

November 1, 1979

Placid Oil Company  
410 17th Street, Suite 2000  
Denver, Colorado 80202

Re: Well No. WXC-USA #1  
Sec. 13, T. 19S, R. 2W.,  
Millard County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER  
Geological Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-8, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-027-30015.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Geological Engineer

/b:tm

cc: USGS

December 11, 1979

MEMORANDUM

TO: File

FROM: Cleon B. Feight  
Director, Division of  
Oil, Gas and Mining

Re: Placid Oil Company  
Well No. WXC-USA #1  
Sec. 13, T. 19S, R. 2W  
Millard County, Utah

As of this date, this well has not yet been spudded-in.

A rig will be moved from one of Placid's wells in Juab County as soon as one of the wells in that county has been completed.

cc: USGS

December 17, 1979

Mr. C. B. Feight, Director  
Department of Natural Resources  
Division of Oil Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

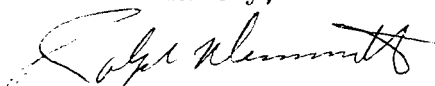
Dear Sir:

The oil well site as approved under permit No. U13823 dated October 29, 1979, gives the following description of well 1980.0 FSL 1980 FWL section 13 township 19 South range 2 West NESW.

The actual location where Placid Oil has prepared well site on the ground is located in the NW 1/4 of section 13 township 19 South range 2 West approximately 1300 ft. South of south line of NW 1/4 and approximately 900 feet East of West line of NW 1/4 of section 13 township 19 range 2 West SLBM. The well site is located on private ground. Enclosed is a map showing where present well site actually is and also showing where well site is located as described on permit No. U13823.

I object to Placid Oil drilling proposed well under permit No. U13823 until they amend location on permit to describe actual location on ground as shown by original survey corner stakes, plot and survey notes.

Yours Truly,



Ralph Memmott  
Box 603  
Fillmore, Utah 84631

**RECEIVED**

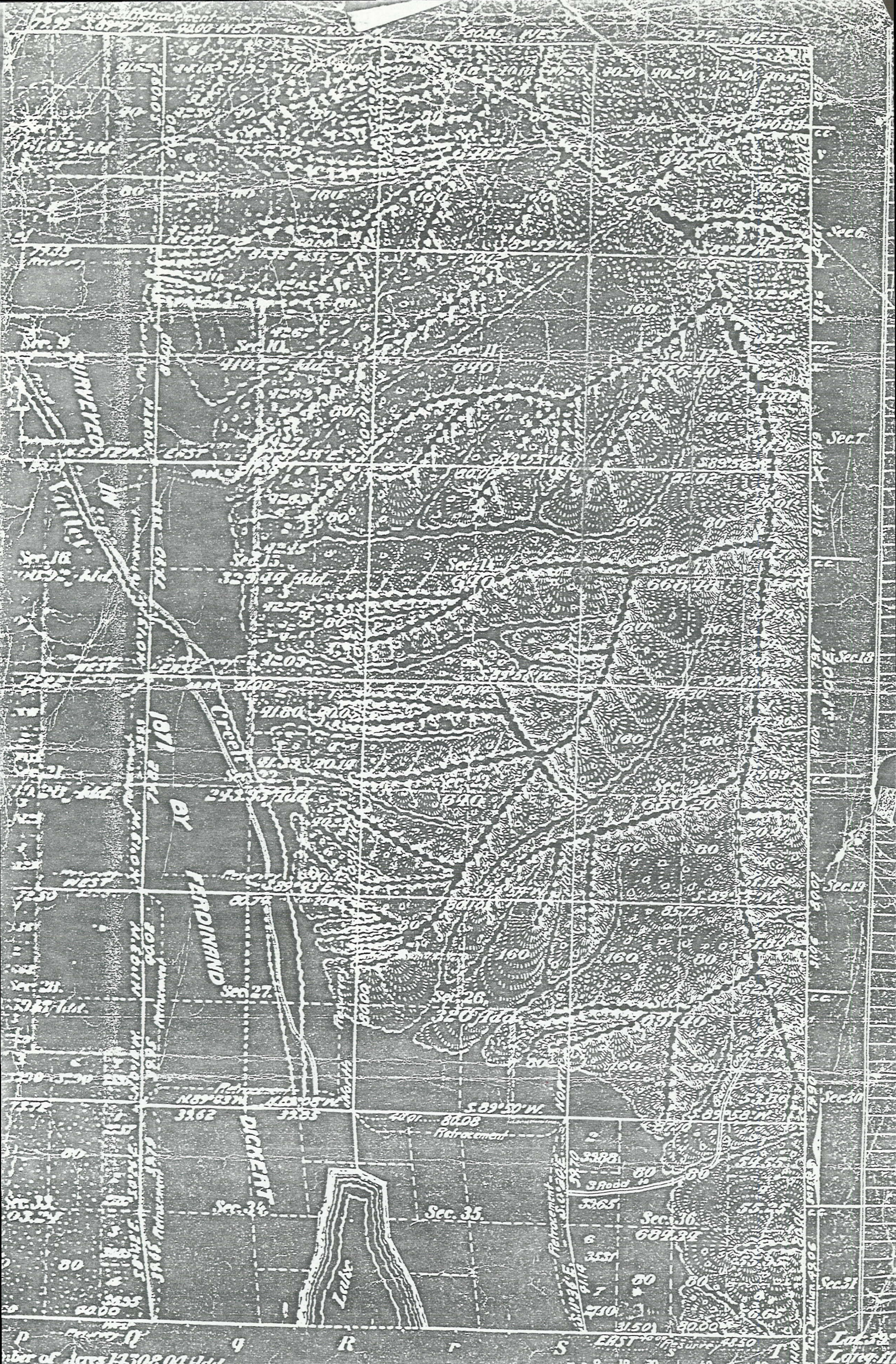
DEC 24 1979

DIVISION OF  
OIL, GAS & MINING

Pat. No. 928528  
 Well site according to original  
 Survey Plot Survey Corners and  
 notes by H.D. Heist and F.V. Woolley  
 surveyed by H.D. Heist on 18, 1907  
 1903 appeared in record of Survey  
 location as shown by permit  
 No. U 13823 NE 7 SW  
 1980.0 F.S.L. 1980 FWL Section  
 13 T 19 S 0 6 R 2 W.  
 660' 2 of K. Mammitt  
 Lease

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36





Number of Acres 14308.04/Adl.

Date Surveyed	Mean Declination
15.1906	15.1906
15.1906	15.1906
15.1906	15.1906
15.1906	15.1906

The above Map of Township 12 South of Range 12 West  
 Salt Lake Base & Meridian  
 notes of the survey have been filed in the Office of the Surveyor General





SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

CHARLES R. HENDERSON  
*Chairman*

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

CLEON B. FEIGHT  
*Director*

December 26, 1979

Placid Oil Company  
410 17th Street  
Suite 2000  
Denver, CO 80202

Re: Well WXC-USA #1  
Permit No. U 13823  
Sec. 13, T. 19 S. R. 2 W.  
Millard County, Utah

Gentlemen:

Attached is information which we received on the above mentioned well which indicated that the survey plat may be incorrect.

Please take the necessary action on this matter as to whether or not this information is correct.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

*Cleon B. Feight*  
CLEON B. FEIGHT  
DIRECTOR

cc: Mr. Ralph Memmott  
Box 603  
Fillmore, UT 84631



**PLACID OIL COMPANY**  
**410 SEVENTEENTH STREET, SUITE 2000**  
**DENVER, COLORADO 80202**

December 28, 1979

**RECEIVED**  
DEC 31 1979

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

DIVISION OF  
OIL, GAS & MINING

*Kathy Lee*

Attention: Mr. Cleon B. Feight - Director

Re: Placid Oil Company  
WXC-USA #1  
Well Location  
NE/SW-13-T19S-R2W

Gentlemen:

We received the information and maps sent to your office by Mr. Ralph Memmott and wish to advise you that Mr. Memmott's claim that our proposed well is located on his property is totally unfounded and we have no plans and see no reason for any further action regarding this matter.

•Our drilling permit, access, and operations plans have been reviewed and approved by the USGS and BLM and all rights-of-ways have been secured in accordance with both state and federal oil and gas rules and regulations.

At the insistence of Mr. Ralph Memmott, Placid paid for a second survey of the location and lands involved and the outcome was that the well is properly located as shown on the approved drilling permit.

Copies of right-of-ways and surveys as well as a letter from our Salt Lake City attorney are enclosed for your review.

Placid Oil and its employees and contractors are and will continue to work closely with all state and federal agencies relative to any oil and gas exploration activities we are currently involved in or contemplate in the future.

If we may be of further help on this or any other related matter, please do not hesitate to contact either our Salt Lake City office at 801-532-5005 or our Denver office at 303-892-6190.

Sincerely yours,

PLACID OIL COMPANY

*Norman Haltiner*

Norman Haltiner  
District Landman

RECEIVED

NOV 12 1980

DIVISION OF  
OIL, GAS & MINING

Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

November 10, 1980

Placid Oil Company  
410 - 17th Street, Suite 2000  
Denver, Colorado 80202

*'Location Abandon'*

Re: Returned Application for Permit to Drill  
Well No.1  
Section 13, T.19S, R.2W  
Millard County, Utah  
Lease No. U-13823

Gentlemen:

The Application for Permit to Drill the referenced well was approved October 18, 1979. Since that date no known activity has transpired at the approved location. Under current District policy (Conditions of Approval Item No. 10), Application's for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location on a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved locations of this well is to be rehabilitated. A schedule for this rehabilitation must, then, be submitted. Your cooperation in this matter is appreciated.

Sincerely yours,

(Orig. Sgd.) R. A. Henricks  
*E. W. Guynn*  
District Oil and Gas Supervisor

bcc: ADCM, O&G, CR, Denver  
BLM-Fillmore  
Utah State Oil and Gas  
Utah State BLM  
USGS, Vernal  
Well File  
APD Control

RAH/TM/kr

Resubmitted **DUPLICATE**SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Placid Oil Company

## 3. ADDRESS OF OPERATOR

2380 Beneficial Life Tower-Salt Lake City, UT 84111

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1980.0' FSL; 1980.0' FWL; Sec. 13-T19S-R2W NESW

At proposed prod. zone

Same as above

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

5.4 miles SSE of Scipio, Utah

## 15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)

660' S. of R.

Memmott lease

## 18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

No wells have  
been drld. on this lease.

## 16. NO. OF ACRES IN LEASE

2468.68

## 19. PROPOSED DEPTH

18,600

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6704 Gr.

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

See Attachment

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Doug A. Sprinkel

TITLE Geologist

DATE 3/12/81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

FOR

E. W. GUYN  
DISTRICT ENGINEER

DATE

MAR 31 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY

NOTICE OF APPROVAL

Production Facilities and Flowline NOT Approved

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 4, 1982

Placid Oil Company  
136 East South Temple  
2300 University Club Bldg.  
Salt Lake City, Utah 84111

Re: Well No. WXC-USA #1  
Sec. 13, T. 19S, R. 2W  
Millard County, Utah  
(June 1981- December 1981)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING



Cari Furse  
Clerk Typist

**PLACID OIL COMPANY**  
**136 EAST SOUTH TEMPLE**  
**2300 UNIVERSITY CLUB BUILDING**  
**SALT LAKE CITY, UTAH 84111**

March 23, 1982

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, UT 84114

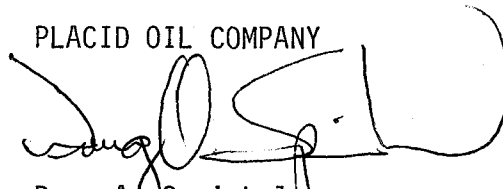
RE: WELL NO. WXC-USA #1  
SEC. 13, T 19 S, R 2 W  
MILLARD COUNTY, UTAH  
(JUNE 1981 - DECEMBER 1981)

Dear Sirs:

With regard to your letter of February 4, 1982, the above referenced location is a stake location at the present time. Placid Oil Company has not drilled at the above location and does not intend to drill at the above location.

Sincerely,

PLACID OIL COMPANY



Doug A. Sprinkel  
District Geologist

DAS/dew

**RECEIVED**  
MAR 24 1982

**DIVISION OF  
OIL, GAS & MINING**

28

Minerals Management Service  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-3884

April 9, 1982

Placid Oil Company  
2380 Beneficial Life Tower  
Salt Lake City, Utah 84111

Re: Rescind Application for Permit  
to Drill  
Well No. 1  
Section 13-T19S-R2W  
Millard County, Utah  
Lease No. U-13823

Gentlemen:

The Application for Permit to Drill the referenced well was approved on March 31, 1981. Since that date no known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

E. W. Gwynn  
District Oil & Gas Supervisor

bcc: SMA  
State O&G ✓  
State BLM  
MMS-Vernal  
Well File  
APD Control

DH/dh